

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	09/710,262						
Source:	1600						
Date Processed by STIC:	4/30/02						

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<a href="http://www.uspto.gov/ebc/efs/downloads/documents.htm">http://www.uspto.gov/ebc/efs/downloads/documents.htm</a>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- 3. Hand Carry directly to:
  - U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
  - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- 4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002





MAY 0 8 2002

Raw Sequence Listing Error Summary

TECH CENTER 1600/2900

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09 710, 262
attn: new rules cases	: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in Patentln version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentln would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing.  Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
0Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
1Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
2PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
3Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001



45

125

60

140

75

## **Does Not Comply** Corrected Diskette Needed

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/710,262

DATE: 04/30/2002

TIME: 15:45:19

Input Set : A:\EP.txt

Output Set: N:\CRF3\04302002\I710262.raw

Sample pages of misalignment of amino acid numbering throughout. See error summary sheet item 3. 3 <110> APPLICANT: Rosenberg, Eugene Ron, Eliora Orr, Elisha Paitan, Yossi 8 <120> TITLE OF INVENTION: GENE CLUSTER 10 <130> FILE REFERENCE: 2290.00101 12 <140> CURRENT APPLICATION NUMBER: 09/710,262 13 <141> CURRENT FILING DATE: 2000-11-10 15 <160> NUMBER OF SEQ ID NOS: 20

> The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

## **ERRORED SEQUENCES**

19 <210> SEQ ID NO: 1 20 <211> LENGTH: 2392 21 <212> TYPE: DNA

22 <213> ORGANISM: Myxococcus xanthus

17 <170> SOFTWARE: PatentIn Ver. 2.1

24 <400> SEQUENCE: 1

25 Val Asp Pro Ala Arg Leu Thr Arg Ala Trp Glu Gly Leu Leu Glu Arg W--> 26 1

E--> 27 15

29 Tyr Pro Leu Leu Ala Gly Ala Ile Arg Val Glu Gly Thr Glu Pro Val

W--> 30

E--> 31 30

33 Ile Val Pro Ser Gly Gln Val Ser Ala Glu Val His Glu Val Pro Ser

36 Val Ser Asp Ser Ala Leu Val Ala Thr Leu Arg Ala Ser Ala Lys Val

W--> 37

39 Pro Phe Asp Leu Ala Cys Gly Pro Leu Ala Arg Leu His Leu Tyr Ser W-->40 65

E--> 41 80

43 Arg Ser Glu His Glu His Val Leu Leu Cys Phe His His Leu Val

W--> 44 85

E--> 45 95

47 Leu Asp Gly Ala Ser Val Ala Pro Leu Leu Asp Ala Leu Arg Glu Arg

W--> 48

E--> 49 110

51 Tyr Ala Gly Thr Glu Ala Lys Ala Gly Leu Leu Glu Val Pro Ile Val

54 Ala Pro Tyr Arg Ala Ala Val Glu Trp Glu Gln Leu Ala Ile Gly Gly

W--> 55

57 Asp Glu Gly Arg Arg His Leu Asp Tyr Trp Arg His Val Leu Ala Thr

RAW SEQUENCE LISTING DATE: 04/30/2002 PATENT APPLICATION: US/09/710,262 TIME: 15:45:19

Input Set : A:\EP.txt

Output Set: N:\CRF3\04302002\I710262.raw

E--> 531 2240 533 Ala Asp Phe Asp Pro Leu Phe Phe Asn Ile Ser Pro Arg Glu Ala Thr 2245 W--> 534 E--> 535 2255 537 Ser Met Asp Pro Gln Glu Arg Leu Phe Leu Gln Ser Cys Trp Glu Val 2260 2265 W--> 538 E--> 539 2270 541 Leu Glu Asp Ala Gly Tyr Thr Arg Asp Ser Leu Ala Gln Arg Phe Gly 2285 W--> 542 2275 544 Ser Ala Val Gly Val Phe Ala Gly Ile Thr Lys Thr Gly Tyr Glu Leu 2300 2295 W--> 545 2290 547 Tyr Gly Ala Glu Leu Glu Gly Arg Asp Ala Ser Val Arg Pro Tyr Thr 2310 W--> 548 2305 E--> 549 2320 551 Ser Phe Ala Ser Val Ala Asn Arg Val Ser Tyr Leu Leu Asp Leu Lys 2325 W--> 552 E--> 553 2335 555 Gly Pro Ser Met Pro Val Asp Thr Met Cys Ser Ala Ser Leu Thr Ala W--> 5562340 E--> 557 2350 559 Val His Met Ala Cys Glu Ala Leu Gln Arg Gly Ala Cys Val Met Ala 2365 W--> 560 2355 2360 562 Ile Ala Gly Gly Val Asn Leu Tyr Val His Pro Ser Ser Tyr Val Ser 2380 --> 563 2370 2375 565 Leu Ser Gly Gln Gln Met Leu Ser E--> 566 2385 2390 697 <210> SEQ ID NO: 3 698 <211> LENGTH: 785 699 <212> TYPE: DNA 700 <213> ORGANISM: Myxococcus xanthus 702 <400> SEQUENCE: 3 703 Met Lys Val Val Asn Lys Leu Clu Lys Leu Pro Asp Val Val Ala W-->704 1 E--> 705 15 707 Gly Lys Val Pro Asp Val Lys Leu Gln Asp Gln Asp Ile Lys Val Pro W - - > 70820 E--> 709 30 711 Leu Ala Gln Gly Thr Phe Thr Glu Glu Lys Ile Leu Pro Pro Lys Leu W--> 712 35 E--> 713 45 715 Ala Met His Gly Phe Thr Leu Ser Phe Glu Ala Thr Gly Glu Ala Ser 60 55 718 Ile Arg Asn Phe Asn Ser Leu Gly Asp Val Asp Glu Asn Gly Ile Ile W--> 719 65 75 E--> 720 80 722 Gly Glu Pro Ser Pro Glu Ser Ala Glu Pro Gly Pro Arg Pro Gln Leu 90 W--> 723

726 Leu Leu Gly Ser Asp Ile Gly Trp Met Arg Tyr Gln Val Ser Ala Arg

E--> 724 95

RAW SEQUENCE LISTING DATE: 04/30/2002 PATENT APPLICATION: US/09/710,262 TIME: 15:45:19

Input Set : A:\EP.txt

Output Set: N:\CRF3\04302002\1710262.raw

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E>			m1	** - 1	D1	a1	<b>01</b>	<b>.</b>	<b>a</b> 1	<b>01</b>		m	mh	mh	C1	Dha		
		Leu Arg	Thr	Val	Pne	GIY	GIU		GIU	GTĀ	мет,	Trp	Tnr	Thr	GTÄ			
W>								725								730		
E>				_						_	_	_			_	_,		
		His Leu	Arg	Ala	Ala			Leu	Leu	Ser	Asp	Leu	Ala		Ser	Thr	•	
M>	873	740 745																
E>															_			
	876	Pro Leu	. Gly	Leu	Ala	Gly	Val	Glu	Arg	Thr	Leu	Thr	Val	Arg	Val	Ala		
M>					55							760						765
	879	Asp Ser	Glu	Glu	Gln	Leu	Val	Phe	Ser	Thr	Ala	Arg	Ser	Thr	Gly	Ala		
M>	880		770							•	775						780	
	882	Ala																
E>	883	785																
	886	5 <210> SEQ ID NO: 4																
	887	<211> L	ENGT	H: 52	29													
	888	<212> T	YPE:	DNA														
	889	<213> 0	RGAN	ISM:	Мух	ococ	cus :	xant	hus									
	891	<400> S	EQUE	NCE:	4													
	892	Met Pro	Ser	Gly	Cys	Tyr	Gly	Ala	Ala	Ser	Ala	Phe	Val	Leu	Pro	Pro		
W>		1		•	•	-	-	5								10		
E>																		
		Leu Pro	Ala	Met	Pro	Gln	Ala	Pro	Ser	Asp	Val	Ser	Gln	Val	Leu	Leu		
W>						20								25				
E>		30																
		Pro Phe	Glv	Glv	Leu	Va 1	Glv	Ara	Glu	Val	Asp	Leu	Asp	Ala	Phe	Leu		
W>		110 1110	011	35			0-1	5					10					
E>		45		•														
		Gln Thr	Len	Met	Asp	Arσ	Tle	Ala	Tle	Thr	Leu	Gln	Ala	Asp	Ara	Glv		
W>		0111 1111	50			9					55			1	5	1	60	
		Thr Leu		Len	Len	Asp	Pro	Αla	Ara	Ara		Leu	Phe	Ser	Ara	Ala		
W>				Lou	200					70					5		75	
E>										, 0							, -	
E/		Ala His	T.011	Dro	Glu	Va 1	Sar	Gln	Tle	Δra	Val	T.vs	T.eu	Glv	Gln	Glv		
W>		ALG HIS	пси	110	OIU	141	001	85	110	9	, 41	2,0	LCu	011		90		
E>		0.5						0.5							-	. •		
F		Val Ala	G1v	Thr	Wa 1	λla	T.ve	λla	Glv	Иie	Δla	Tla	Δcn	Va 1	Pro	Δsn		
W>		Vai Aia	GLY	1111	Val	100	_	ALG	Gry	1113	AIG	110		.05	110		,	
E>		110				100	U						-	.03				
E/			C1	C1	C15	1 ma	Dho	Dho	λla	λan	т10	λαη	λνα	Mot	Thr	Clv		
Ta7 .		Pro Arg	стА			Arg	File	rne	нта	нsр	TTE			Met	TIIT	GIY		125
M>		<b>П </b>	m <b>L</b>	11 mhm		T ~··	T 6	7.1 ~	17 ~ 1	Dro	T 0	120		C1	λ c ~	C1++		123
F.7 .		Tyr Arg		Thr	ser	ьeu	Leu	ATG	vdl			Arg	ASP	GTĀ	ASP	стА	140	
W>			130	<b>a</b> 1	77 7	T ~	a1 -	37c 7	T		35	7	C1	c1	λ c ~	7 ~~	140	
		Ala Leu	туr	GIŸ	vaı	ьeu	GIN			ASN	arg	Arg	стλ	GIU	ASP	Arg	155	
W>								]	L50								155	
E>			_		_	-1		_	_	<b></b> 1					<b>~</b> 1	17_ 7		
	929	Phe Thr	Asp	Glu	Asp	Thr	GIn	Arg	Leu	Thr	Ala	тте	Ата	ser	GIN	vaı		

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/30/2002 PATENT APPLICATION: US/09/710,262 TIME: 15:45:20

Input Set : A:\EP.txt

Output Set: N:\CRF3\04302002\I710262.raw

## Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

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Seq#:1; Line(s) 26,30,34,37,40,44,48,52,55,58,62,66,74,77,81,85,89,92,95,99
Seq#:1; Line(s) 103,107,110,113,117,121,129,132,136,140,148,151,155,159,167
Seq#:1; Line(s) 170,174,178,182,185,188,192,196,200,203,206,210,214,218,221
Seq#:1; Line(s) 224,228,232,236,239,242,246,250,254,257,260,264,268,272,275
Seq#:1; Line(s) 278,282,290,293,296,300,308,311,314,318,322,326,329,332,336
Seq#:1; Line(s) 344,347,350,354,358,362,365,368,372,380,383,386,390,394,398
Seq#:1; Line(s) 401,404,408,412,416,419,422,426,430,434,437,440,444,448,452
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Seq#:3; Line(s) 763,771,774,778,782,786,789,792,796,800,804,807,810,814,818
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Seq#:5; Line(s) 1074,1077,1081,1085,1089
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Seq#:17; Line(s) 1914,1918,1922,1925,1928,1932,1936,1940,1943,1946,1950
Seq#:17; Line(s) 1954,1962,1965,1969
Seq#:18; Line(s) 1983,1987,1991,1995,1998,2002,2006,2014,2017,2021,2025
Seq#:18; Line(s) 2029,2032,2035,2039
Seq#:19; Line(s) 2053,2057,2061,2065,2068,2072,2076,2080,2083,2086,2090
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/30/2002 PATENT APPLICATION: US/09/710,262 TIME: 15:45:20

Input Set : A:\EP.txt

Output Set: N:\CRF3\04302002\I710262.raw

Seq#:19; Line(s) 2094,2098,2101,2104,2108,2112,2116,2119,2122,2126,2130

Seq#:19; Line(s) 2138,2141,2145,2149

VERIFICATION SUMMARY DATE: 04/30/2002 PATENT APPLICATION: US/09/710,262 TIME: 15:45:20

Input Set : A:\EP.txt

Output Set: N:\CRF3\04302002\I710262.raw

L:26 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:27 M:254 E: No. of Bases conflict, this line has no nucleotides. L:30 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 M:254 Repeated in SeqNo=1 L:34 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:37 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:40 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:44 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:48 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:52 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:55 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:58 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:62 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:66 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:70 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:74 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:77 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:81 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:85 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:89 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 -L:92 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:95 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:99 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:103 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:107 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:110 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:113 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:117 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:121 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:125 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:129 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:132 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:136 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:140 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:144 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:148 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:151 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:155 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:159 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:163 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:167 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:170 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:174 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:178 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:182 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:185 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:188 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:192 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1

VERIFICATION SUMMARY DATE: 04/30/2002 PATENT APPLICATION: US/09/710,262 TIME: 15:45:20

Input Set : A:\EP.txt

Output Set: N:\CRF3\04302002\1710262.raw

L:196 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:200 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:203 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:206 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1 L:566 M:252 E: No. of Seq. differs, <211> LENGTH:Input:2392 Found:0 SEQ:1 L:705 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=3 L:883 M:252 E: No. of Seq. differs, <211> LENGTH:Input:785 Found:0 SEQ:3 L:894 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=4 L:1015 M:252 E: No. of Seq. differs, <211> LENGTH:Input:529 Found:0 SEQ:4 L:1027 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=5 L:1092 M:252 E: No. of Seq. differs, <211> LENGTH:Input:292 Found:0 SEQ:5 L:1103 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=6 L:1138 M:252 E: No. of Seq. differs, <211> LENGTH:Input:168 Found:0 SEQ:6 L:1160 M:252 E: No. of Seq. differs, <211> LENGTH:Input:79 Found:0 SEQ:7 L:1171 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=8 L:1265 M:252 E: No. of Seq. differs, <211> LENGTH:Input:420 Found:0 SEQ:8 L:1276 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=9 L:1348 M:252 E: No. of Seq. differs, <211> LENGTH:Input:325 Found:0 SEQ:9 L:1359 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=10 L:1376 M:252 E: No. of Seq. differs, <211> LENGTH:Input:83 Found:0 SEQ:10 L:1388 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=11 L:1471 M:252 E: No. of Seq. differs, <211> LENGTH:Input:374 Found:0 SEQ:11 L:1482 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=12 L:1519 M:252 E: No. of Seq. differs, <211> LENGTH:Input:171 Found:0 SEQ:12 L:1530 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=13 L:1636 M:252 E: No. of Seq. differs, <211> LENGTH:Input:475 Found:0 SEQ:13 L:1647 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=14 L:1715 M:252 E: No. of Seq. differs, <211> LENGTH:Input:318 Found:0 SEQ:14 L:1726 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=15 L:1798 M:252 E: No. of Seq. differs, <211> LENGTH:Input:330 Found:0 SEQ:15 L:1809 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=16 L:1903 M:252 E: No. of Seq. differs, <211> LENGTH:Input:417 Found:0 SEQ:16 L:1915 M:254 E: No. of Bases conflict, this line has no nucleotides. M:254 Repeated in SeqNo=17 L:1973 M:252 E: No. of Seq. differs, <211> LENGTH:Input:262 Found:0 SEQ:17

L:1984 M:254 E: No. of Bases conflict, this line has no nucleotides.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/710,262

DATE: 04/30/2002

TIME: 15:45:20

Input Set : A:\EP.txt

Output Set: N:\CRF3\04302002\1710262.raw

M:254 Repeated in SeqNo=18

L:2040 M:252 E: No. of Seq. differs, <211> LENGTH:Input:256 Found:0 SEQ:18

L:2054 M:254 E: No. of Bases conflict, this line has no nucleotides.

M:254 Repeated in SeqNo=19

L:2149 M:252 E: No. of Seq. differs, <211> LENGTH:Input:424 Found:0 SEQ:19